

Inter (Part-II) 2017

Chemistry	Group-I	PAPER: II
Time: 20 Minutes	(OBJECTIVE TYPE)	Marks: 17

Note: Four possible answers, A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1- Preparation of vegetable ghee involves:

- (a) Halogenation (b) Hydrogenation ✓
(c) Hydroxylation (d) Dehydrogenation

2- Peroxyacetylnitrate (PAN) is an irritant to human beings and it affects:

- (a) Eyes ✓ (b) Ears
(c) Stomach (d) Nose

3- Which of the following has the highest boiling point:

- (a) Methanal (b) Ethanal
(c) Propanal (d) 2-Hexanone ✓

4- Which of the following does not belong to alkaline earth metals:

- (a) Be (b) Ra
(c) Ba (d) Rn ✓

5- Ethers show the phenomenon of:

- (a) Position isomerism
(b) Metamerism ✓
(c) Functional group isomerism
(d) Cis-trans isomerism

6- Grignard reagent is reactive due to:

- (a) The presence of the halogen atom
(b) The presence of Mg atom
(c) The polarity of C-Mg bond ✓
(d) None of these

7- Which of the following element is not present abundantly in earth's crust:

- (a) Silicon (b) Aluminium
(c) Sodium ✓ (d) Oxygen

- 8- Phosphorus helps the growth of:
(a) Root (b) Leave
(c) Stem (d) Seed ✓
- 9- Which one of the following nitrogenous base is not present in RNA:
(a) Cytosine (b) Adenine
(c) Thiamine ✓ (d) Uracil
- 10- Which catalyst is used in contact process:
(a) Fe_2O_3 (b) V_2O_5 ✓
(c) SO_3 (d) Ag_2O
- 11- Which of the following is neutral amino acid:
(a) Glycine ✓ (b) Lysine
(c) Histidine (d) Glutamic acid
- 12- Which halogen occurs naturally in a positive oxidation state:
(a) Fluorine (b) Chlorine
(c) Bromine (d) Iodine ✓
- 13- Which compound is called a universal solvent:
(a) H_2O ✓ (b) CH_3OH
(c) $\text{C}_2\text{H}_5\text{OH}$ (d) $\text{CH}_3 = \text{O} = \text{CH}_3$
- 14- Which of the following ion has maximum hydration energy:
(a) Li^+ (b) Na^+
(c) K^+ (d) Ca^{+2} ✓
- 15- Amongst the following, the compound that can be most readily sulphonated:
(a) Toluene ✓ (b) Benzene
(c) Nitrobenzene (d) Chlorobenzene
- 16- Which acid is used in the manufacture of synthetic fibre:
(a) Formic acid (b) Oxalic acid
(c) Carbonic acid (d) Acetic acid ✓
- 17- Coordination number of pt in $[\text{pt Cl}(\text{NO}_2)(\text{NH}_3)_4]$ is:
(a) 2 (b) 4
(c) 1 (d) 6 ✓